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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/529,989

10/20/2005

Mickael Allain

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27799

7590

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COHEN, PONTANI, LIEBERMAN & PAVANE LLP  
551 FIFTH AVENUE  
SUITE 1210  
NEW YORK, NY 10176

EXAMINER

BESROUR, SAOUSSEN

ART UNIT

PAPER NUMBER

2131

MAIL DATE

DELIVERY MODE

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PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/529,989	<b>Applicant(s)</b> ALLAIN ET AL.	
	<b>Examiner</b> SAOUSSEN BESROUR	<b>Art Unit</b> 2131	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 31 March 2005.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-12 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-12 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. _____                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>3/31/2005</u> .   | 6) <input type="checkbox"/> Other: _____                          |

### **DETAILED ACTION**

1. This action is in response to preliminary amendment filed 3/31/2005. Claims 1, 5-11 and 13 were amended. New claim 16 was added. Claims 1-16 are pending.

### ***Priority***

2. Acknowledgment is made of applicant's claim for foreign priority under U.S.C. 119(a)-(d).

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. **Claims 1-12** are rejected under 35 U.S.C. 103 (a) as being unpatentable over Hirayama et al. (2003/0123434) in view of Ono et al. (6,967, 958).

As per **claim 1**, Hirayama discloses: inserting into a field of a call set-up request frame an [encrypted] control code containing parameters relating to the identity of a telecommunications terminal from which the telephone call is sent (0026); a remote call management server [decrypting the control code] (0032); comparing at least one parameter extracted from the [decrypted] control code with

corresponding information stored in a database hosted in the server (0032); and setting up the call as a function of the result of said comparison(0032). Hirayama does not explicitly teach encrypting control code; and decrypting the control code. However, Ono discloses: encrypting control code; and decrypting the control code (Column 39, Lines 36-Column 40, lines 19). Therefore, it would have been obvious to one with ordinary skill in the art at the time the invention was made to use the teachings of Ono in conjunction with the teachings of Hirayama for the benefit more security.

As per **claim 11**, Hirayama discloses: [means for decrypting an encrypted] control code inserted into the call set-up request frame, the code containing parameters relating to the identity of the calling telecommunications terminal (0026); and means for comparing parameter extracted from the control code [decrypted by the decrypting means] with a corresponding code stored in a database hosted in the server to authorize the setting up of the call as a function of the result of the comparison (0032). Hirayama does not explicitly teach means for encrypting the control code; and means for decrypting the control code. However, Ono discloses: means for encrypting control code; and means for decrypting the control code (Column 39, Lines 36-Column 40, lines 19, lines 40-58). Therefore, it would have been obvious to one with ordinary skill in the art at the time the invention was made to use the teachings of Ono in conjunction with the teachings of Hirayama for the benefit more security.

As per **claims 2 and 12**, rejected as applied to claims 1 and 11. Furthermore, Hirayama discloses: means for comparing parameters extracted from the decrypted

control code with corresponding information extracted from the call set-up request frame (0032).

As per **claim 3**, rejected as applied to claim 1. Hirayama et al. discloses: wherein the information stored in the database includes an address identifying the terminal (0006).

As per **claim 4**, rejected as applied to claim 3. Ono discloses: said information is transferred from the terminal to the database during a first call sent by the terminal (0032).

As per **claim 5**, rejected as applied to claim 2. Hirayama discloses: information extracted from the call set-up request frame includes the IP address of the terminal and the calling number of the terminal (0006).

As per **claim 13**, rejected as applied to claim 11. Ono discloses: a verification module adapted to insert an encrypted control code into a call set-up request frame (Column 40, lines 40-58).

As per **claim 6 and 14**, rejected as applied to claim 1 and 13. Furthermore the combination of Hirayama and Ono discloses: the control code is produced from an encrypted (Ono - Column 39, Lines 36-Column 40, lines 19, lines 40-58) function of an address identifying the terminal and the IP address of the terminal (Hirayama 0006).

As per **claim 7**, rejected as applied to claim 6. Hirayama discloses: wherein the IP address of the terminal is sent by an Internet network access provider to a verification module associated with the terminal (0006).

As per **claim 8 and 15**, rejected as applied to claim 2 and 13. Hirayama discloses: information extracted from the call set-up request frame include the IP address of a gateway for connecting a private network to a telecommunications network and the calling number of the terminal (Fig. 1).

As per **claim 9**, rejected as applied to claim 8. Furthermore the combination of Hirayama and Ono discloses: the control code is produced from an encrypted (Ono - Column 39, Lines 36-Column 40, lines 19, lines 40-58) function of an address identifying the terminal and the IP address of the terminal (Hirayama 0006).

As per **claim 10**, rejected as applied to claim 8. Hirayama discloses: wherein the IP address of the terminal is sent by an Internet network access provider to a verification module associated with the terminal (0006).

As per **claim 16**, rejected as applied to claim 9. Hirayama discloses: wherein the IP address of the terminal is sent by an Internet network access provider to a verification module associated with the gateway (0006, 0032).

### ***Conclusion***

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to SAOUSSEN BESROUR whose telephone number is (571)272-6547. The examiner can normally be reached on M-F 8:30am to 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on 571-272-3795. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2131

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/S. B./

Examiner, Art Unit 2131

July 30, 2008

/Ayaz R. Sheikh/

Supervisory Patent Examiner, Art Unit 2131